

#### ABSTRACT OF THE DISCLOSURE

Provided are a shape memory polymer composition,  
which comprises a bifunctional isocyanate and/or a  
trifunctional isocyanate, and a polyol having an average  
5 molecular weight of from 100 to 550, with a molar ratio in  
terms of functional groups of isocyanate : polyol = 0.9 to  
1.1 : 1.0; FRP having the shape memory polymer and a  
fibrous material; and a production process of the FRP  
comprising impregnating the fibrous material with, as a  
10 matrix resin, the shape memory polymer composition and  
curing. According to the present invention, the shape  
memory polymer composition has an extended pot life and FRP  
has excellent inflatability.